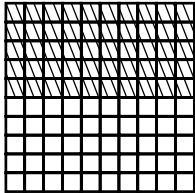


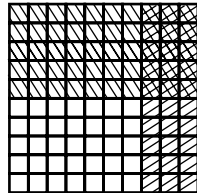
Explore Multiplication

Find $0.5 \times 0.3 = n$.

Step 1: Use a 10×10 grid. Shade 0.5 of the grid in one color.



Step 2: Shade 0.3 of the grid in another color and in the other direction.



Step 3: Write a fraction that describes the part of the square that is shaded twice.

Count the doubly shaded squares.

15 squares are shaded twice.

$\frac{15}{100}$ of the grid is shaded twice.

$\frac{15}{100} = 0.15$

So $0.5 \times 0.3 = 0.15$.

Use models or fractions to multiply. Write each product as a decimal.

1. 0.3×0.2

2. 0.4×0.6

3. 0.8×0.4

4. 0.9×0.7

5. 1.2×0.3

6. 0.4×1.8

7. 2.6×0.5

8. 0.8×2.3

9. 2.1×0.9

10. 1.7×0.5

11. 0.8×2.8

12. 0.1×2.6
